

Letters in Mathematical Physics

Cumulative Index, Volumes 30–32 (1994)

- ALBER, MARK S., ROBERTO CAMASSA, DARRYL D. HOLM, and JERROLD E. MARSDEN, The geometry of peaked solitons and billiard solutions of a class of integrable PDE's, **32**: 137 (1994).
- ALFINITO, E., M. LEO, R. A. LEO, M. PALESE, and G. SOLIANI, Algebraic properties of the 1+1-dimensional Heisenberg spin field model, **32**: 241 (1994).
- ALICKI, R. and M. FANNES Defining quantum dynamical entropy **32**: 75 (1994).
- ANDRUSKIEWITSCH, NICOLÁS, JORGE DEVOTO, and ALEJANDRO TIRABOSCHI, Quantum Heisenberg groups and Sklyanin algebras, **31**: 167 (1994).
- APEL, JOACHIM and KONRAD SCHMÜDGEN, Classification of three-dimensional covariant differential calculi on Podles' quantum spheres and on related spaces, **32**: 25 (1994).
- ARNAL, D., H. BENAMOR, and B. CAHEN, Algebraic deformation program on minimal nilpotent orbit, **30**: 241 (1994).
- ARNAUDON, DANIEL and MICHEL BAUER, Polynomial relations in the centre of $\mathcal{U}_q(\mathfrak{sl}(N))$, **30**: 251 (1994).
- AWATA, HIDETOSHI, MASAFUMI FUKUMA, SATORU ODAKE, and YAS-HIRO QUANO, Eigensystem and full character formula of the $W_{1+\infty}$ algebra with $c = 1$, **31**: 289 (1994).
- AWATE, HIDETOSHI, MASATOSHI NOUMI, and SATORU ODAKE, Heisenberg realization for $U_q(\mathfrak{sl}_n)$ on the flag manifold, **30**: 35 (1994).
- AWATA, HIDETOSHI, SATORU ODAKE, and JUN'ICHI SHIRAISHI, Free boson representation of $U_q(\mathfrak{sl}_2)$, **30**: 207 (1994).
- BAEZ, JOHN C., Generalized measures in gauge theory, **31**: 213 (1994).
- BAEZ, JOHN C. and JAMES W. GILLIAM, An algebraic approach to discrete mechanics, **31**: 205 (1994).
- BAUER, MICHEL, *see* ARNAUDON, DANIEL
- BENAMOR, H., *see* ARNAL, D.
- BENVENÙ and L. DABROWSKI, Relativistic point interaction, **30**: 159 (1994).
- BILAL, ADEL, Multi-component KdV hierarchy, V -algebra and non-Abelian Toda theory, **32**: 103 (1994).

- BOYARCHENKO, S. I. and S. Z. LEVENDORSKII, On affine Yangians, **32**: 269 (1994).
- BRADEN, H. W. and TAKASHI SUZUKI, R -matrices for elliptic Calogero-Moser models, **30**: 147 (1994).
- BURDET, G. et M. PERRIN, Spéculation sur la cosmologie quantique primordiale (Speculation on the primordial quantum cosmology), **30**: 317 (1994).
- BUTTÀ, PAOLO, Motion by mean curvature by scaling a nonlocal equation: Convergence at all times in the two-dimensional case **31**: 41 (1994).
- CAHEN, B., *see* ARNAL, D.
- CAHEN, M., A. FRANC, and S. GUTT, Erratum to 'The spectrum of the Dirac operator on complex projective space $P_{2q-1}(C)$ ', **32**: 365 (1994).
- CAHEN, MICHEL, SIMONE GUTT, and JOHN RAWNSLEY, Quantization of Kähler manifolds, **30**: 291 (1994).
- CAMASSA, ROBERTO, *see* ALBER, MARK S.
- CASTELLANI, LEONARDO, Differential calculus on the inhomogeneous quantum groups $IGL_q(n)$, **30**: 233 (1994).
- CHARI, VYJAYANTHI and ANDREW PRESSLEY, Small representations of quantum affine algebras, **30**: 131 (1994).
- CHRYSSOMALAKOS, CHRYSSOMALIS, RALF A. ENGELDINGER, BRANISLAV JURČO, MICHAEL SCHLIEKER, and BRUNO ZUMINO, Complex quantum enveloping algebras as twisted tensor products, **32**: 275 (1994).
- CIANCI, ROBERTO and ANDREW KHRENNIKOV, Differential equations with supersymmetric time, **30**: 279 (1994).
- COUGO-PINTO, M. V., C. FARINA and ANTONIO J. SEGUÍ-SANTONJA, On Schwinger's method for obtaining the Casimir effect, **30**: 169 (1994).
- COUGO-PINTO, M. V., C. FARINA, and A. J. SEGUÍ-SANTONJA, Schwinger's method for the massive Casimir effect, **31**: 309 (1994).
- CRIVELLI, M., G. FELDER, and C. WIECZKOWSKI, Topological representations of $U_q(\mathfrak{sl}_2(C))$ on the torus and the mapping class group, **30**: 71 (1994).
- DABROWSKI, L., *see* BENVIGNÙ, S.
- DABROWSKI, LUDWIK and JAN SOBCZYK, Left regular representation and contraction of $\mathfrak{sl}_q(2)$ to $\mathfrak{e}_q(2)$, **32**: 249 (1994).
- DE AZCÁRRAGA, J. A., P. P. KULISH, and F. RODENAS, Reflection equations and q -Minkowski space algebras, **32**: 173 (1994).
- DE SMEDT, VIVIAN, Decomposition of the curvature tensor of hyper-Kähler manifolds, **30**: 105 (1994).
- DE SMEDT, VIVIAN, Existence of a Lie bialgebra structure on every Lie algebra, **31**: 225 (1994).
- DEVOTO, JORGE, *see* ANDRUSKIEWITSCH, NICOLÁS

- DIJKHUIZEN, MATHIJS S. and TOM H. KOORNWINDER CQG algebras: A direct algebraic approach to compact quantum groups, **32**: 315 (1994).
- DVUREČENSKIJ, ANATOLIJ and SYLVIA PULMANOVÁ, Test spaces, Dacey spaces, and completeness of inner product spaces, **32**: 299 (1994).
- ENGELDINGER, RALF A., *see* CHRYSSOMALAKOS, CHRYSSOMALIS
- ENRIQUEZ, BENJAMIN, Complex parametrized W -algebras: The gl case, **31**: 15 (1994).
- FADDEEV, L. and A. YU. VOLKOV, Hirota equation as an example of an integrable symplectic map, **32**: 125 (1994).
- FANNES, M., *see* ALICKI, R.
- FARINA, C., *see* COUGO-PINTO, M. V.
- FEIGIN, BORIS and FEODOR MALIKOV, Fusion algebra at a rational level and cohomology of nilpotent subalgebras of $\widehat{sl}(2)$ **31**: 315 (1994).
- FELDER, G., *see* CRIVELLI, M.
- FELDER, GIOVANNI and VINCENT PASQUIER, A simple construction of elliptic R -matrices, **32**: 167 (1994).
- FLOREANINI, ROBERTO and LUC VINET, Symmetries of the q -difference heat equation, **32**: 37 (1994).
- FODA, OMAR, KENJI IOHARA, MICHIO JIMBO, RINAT KEDEM, TETSUJI MIWA, and HONG YAN, An elliptic quantum algebra for \widehat{sl}_2 , **32**: 259 (1994).
- FOKAS, A. S. and I. M. GELFAND, Integrability of linear and nonlinear evolution equations and the associated nonlinear Fourier transforms, **32**: 189 (1994).
- FRANC, A., *see* CAHEN, M.
- FUKUMA, MASAFUMI, *see* AWATA, HIDETOSHI
- GE, ŽHONG and CLINT SCOVEL, Hamiltonian truncation of the shallow water equation, **31**: 1 (1994).
- GEBERT, REINHOLD W. and JÖRG TESCHNER, On the fundamental representation of Borchers algebras with One imaginary simple root **31**: 327 (1994).
- GELFAND, I.M., *see* FOKAS, A. S.
- GILLIAM, JAMES W., *see* BAEZ, JOHN C.
- GOULD, M. D. and Y.-Z. ZHANG, Quantized affine Lie algebras and diagonalization of braid generators, **30**: 267 (1994).
- GOULD, M. D. and YAO-ZHONG ZHANG, Casimir invariants for quantized affine Lie algebras, **31**: 77 (1994).
- GOULD, M. D., *see* ZHANG, YAO-ZHONG
- GOULD, M. D., *see* LINKS, J. R.
- GRABOWSKI, JANUSZ, A Poisson-Lie structure on the diffeomorphism group of a circle, **32**: 307 (1994).

- GRIMM, UWE, Trigonometric R matrices related to 'dilute' Birman-Wenzl-Murakami algebra, **32**: 183 (1994).
- GROSSE, H. and W. MADERNER, On the classical origin of the fermionic Schwinger term, **31**: 57 (1994).
- GUTT, SIMONE, *see* CAHEN, MICHEL
- GU, CHAOHAO and ZHOU ZIXIANG, On Darboux transformations for soliton equations in high-dimensional spacetime, **32**: 1 (1994).
- HOLM, DARRYL D., *see* ALBER, MARK S.
- HOPPE, JENS, r -Functions with quasi-dynamical spectral parameter, **31**: 255 (1994).
- HURTUBISE, J. C., Finite-dimensional coadjoint orbits in loop algebras, **30**: 99 (1994).
- HUSSIN, V., A. LAUZON, and G. RIDEAU, R -Matrix method for Heisenberg quantum groups, **31**: 159 (1994).
- IOCHUM, BRUNO and THOMAS SCHÜKER, A left-right symmetric model à la Connes-Lott, **32**: 153 (1994).
- IOHARA, KENJI, *see* FODA, OMAR
- JARVIS, P. D. and C. M. YUNG, Combinatorial description of the Fock representation of the affine Lie algebra $go(\infty)$ **30**: 45 (1994).
- JIMBO, MICHIO, *see* FODA, OMAR
- JURČO, BRANISLAV, *see* CHRYSSOMALAKOS, CHRYSSOMALIS
- KARIMPOUR, VAHID, The quantum De Rham complexes associated with $SL_h(2)$, **30**: 87 (1994).
- KEDDEM, RINAT, *see* FODA, OMAR
- KEDNEY, P. J. and I. W. STEWART, On the magnetically induced cholesteric to nematic phase transition, **31**: 261 (1994).
- KHRENNIKOV, ANDREW, *see* CIANCI, ROBERTO
- KLIMČÍK, C., A. POMPOŠ, and V. SOUČEK, Grading of spinor bundles and gravitating matter in noncommutative geometry, **30**: 259 (1994).
- KLIMEK, SŁAWOMIR and ANDRZEJ LEŚNIEWSKI, Quantum Riemann surfaces. III. The exceptional cases, **32**: 45 (1994).
- KOORNWINDER, TOM H., *see* DIJKHUIZEN, MATHIJS S.
- KULISH, P. P., *see* DE AZCÁRRAGA, J. A.
- KUPERIN, YU. A., R. V. ROMANOV, and H. E. RUDIN, Scattering on the hyperbolic plane in the Aharonov-Bohm gauge field, **31**: 271 (1994).
- LAUZON, A., *see* HUSSIN, V.
- LEO, M., *see* ALFINITO, E.
- LEO, R. A., *see* ALFINITO, E.
- LEŚNIEWSKI, ANDRZEJ, *see* KLIMEK, SŁAWOMIR
- LETZTER, EDWARD S. and IAN M. MUSSON, Complete sets of representations of classical Lie superalgebras, **31**: 247 (1994).
- LEVENDORSKII, S. Z., *see* BOYARCHENKO, S. I.

- LINKS, J. R., M. SCHEUNERT, and M. D. GOULD, Diagonalization of the braid generator on unitary irreps of quantum supergroups, **32**: 231 (1994).
- LOREK, A., W. B. SCHMIDKE, and J. WESS, $SU_q(2)$ covariant \hat{R} -matrices for reducible representations, **31**: 279 (1994).
- LUDWIG, JEAN and HAMID ZAHIR, On the nilpotent \ast -Fourier Transform, **30**: 23 (1994).
- MADERNER, W., *see* GROSSE, H.
- MALIKOV, FEODOR, *see* FEIGIN, BORIS
- MANDACHE, NICULAE, Some remarks concerning unique continuation for the Dirac operator, **31**: 85 (1994).
- MARCHENKO, VLADIMIR A., Characterization of the Weyl solutions, **31**: 179 (1994).
- MARSDEN, JERROLD E., *see* ALBER, MARK S.
- MARTIN, PAUL and HUBERT SALEUR, Algebras in higher-dimensional statistical mechanics - The exceptional partition (mean field) algebras, **30**: 179 (1994).
- MARTIN, PAUL and HUBERT SALEUR, The Blob algebra and the periodic Temperley-Lieb algebra, **30**: 189 (1994).
- MELZER, EZER, The many faces of a character, **31**: 233 (1994).
- MISSAROV, M. D., Functional integral via functional equation, **32**: 347 (1994).
- MITRA, P. Quantization of gauge theories with global anomalies, **31**: 111 (1994).
- MIWA, TETSUJI, *see* FODA, OMAR
- MOKHOV, O. I. and Y. NUTKU, Bianchi transformation between the real hyperbolic Monge-Ampère equation and the Born-Infeld equation, **32**: 121 (1994).
- MOLEV, A. I., Gelfand-Tsetlin basis for representations of Yangians **30**: 53 (1994).
- MORALES, N., *see* URRUTIA, L. F.
- MUSSON, IAN M., *see* LETZTER, EDWARD S.
- NAKASHIMA, M., The star exponential and path integrals on compact groups II: The Weyl character formula, **30**: 119 (1994).
- NARNHOFER, HEIDE and W. THIRRING, Clustering for algebraic K -systems, **30**: 387 (1994).
- NIEDERMAIER, MAX R., Trace identities from tau functions, **30**: 217 (1994).
- NIJHOFF, F.W., On a q -deformation of the discrete Painlevé I equation and q -orthogonal polynomials, **30**: 327 (1994).
- NOUMI, MASATOSHI, *see* AWATA, HIDETOSHI
- NUTKU, Y., *see* MOKHOV, O. I.
- ODAKE, SATORU, *see* AWATA, HIDETOSHI

- OGURISU, OSAMU, Unitary equivalence between a spin $1/2$ charged particle in a two-dimensional magnetic field and a spin $1/2$ neutral particle with an anomalous magnetic moment in a two-dimensional electric field, **30**: 173 (1994).
- PALESE, M., *see* ALFINITO, E.
- PALEV, T. D., Quantization of $U_q[\mathfrak{so}(2n+1)]$ with deformed para-Fermi operators, **31**: 151 (1994).
- PARK, YONG MOON, Dynamical entropy of generalized quantum Markov chains, **32**: 63 (1994).
- PASQUIER, VINCENT, *see* FELDER, GIOVANNI
- PAUL, THIERRY, A remark on the existence of solitons for the perturbed Korteweg-de Vries equation, **30**: 337 (1994).
- PERRIN, M., *see* BURDET, G.
- POMPOŠ, *see* KLIMČÍK, C.
- PRESSLEY, ANDREW, *see* CHARI, VYJAYANTHI
- PULMANOVÁ, SYLVIA, *see* DVUREČENSKIJ, ANATOLIJ
- QUANO, YASHIRO, *see* AWATA, HIDETOSHI
- RAWNSLEY, JOHN, *see* CAHEN, MICHEL
- REHREN, KARL-HENNING, A new view of the Virasoro algebra, **30**: 125 (1994).
- REYES MARTÍNEZ, J. R., Theory of superselection sectors for generalized Ising models, **31**: 117 (1994).
- RIDEAU, G., *see* HUSSIN, V.
- RODENAS, F., *see* DE AZCÁRRAGA, J. A.
- ROMANOV, R.V., *see* KUPERIN, YU. A.
- RUDIN, H.E., *see* KUPERIN, YU. A.
- RUEGG, H. and V. N. TOLSTOY, Representation theory of quantized Poincaré algebra. Tensor operators and their applications to one-particle systems, **32**: 85 (1994).
- SAHOO, DEBENDRANATH, A deficiency of Weinberg's quantum mechanics, **31**: 93 (1994).
- SALEUR, H., *see* MARTIN, PAUL
- SCHEUNERT, M., *see* LINKS, J. R.
- SCHLIEKER, MICHAEL, *see* CHRYSSOMALAKOS, CHRYSSOMALIS
- SCHMIDKE, W. B., *see* LOREK, A.
- SCHMÜDGEN, KONRAD, *see* APEL, JOACHIM
- SCHÜCKER, THOMAS, *see* IOCHUM, BRUNO
- SCHWARZ, ALBERT, Symmetry transformations in Batalin-Vilkovisky formalism, **31**: 299 (1994).
- SCOVEL, CLINT, *see* GE, ZHONG
- SEGUÍ-SANTONJA, ANTONIO J., *see* COUGO-PINTO, M. V.
- SHIRAISHI, JUN'ICHI, *see* AWATA, HIDETOSHI

- SIEDENTOP, HEINZ, An upper bound for the atomic ground state density at the nucleus, **32**: 221 (1994).
- SITARZ, ANDRZEJ, Metric on quantum spaces, **31**: 35 (1994).
- SITARZ, ANDRZEJ, Noncommutative differential geometry with higher-order derivatives, **32**: 357 (1994).
- SOBCZYK, JAN, *see* DABROWSKI, LUDWIK
- SOLIANI, G., *see* ALFINITO, E.
- SOUČEK, V., *see* KLIMČÍK, C.
- STEWART, I.W., *see* KEDNEY, P. J.
- SUZUKI, TAKASHI, *see* BRADEN, H. W.
- TESCHNER, JÖRG, *see* GEBERT, REINHOLD W.
- THIRRING, W., *see* NARNHOFER, HEIDE
- TIRABOSCHI, ALEJANDRO, *see* ANDRUSKIEWITSCH, NICOLÁS
- TOLSTOY, V. N., *see* RUEGG, H.
- UGLOV, D. B., The Lie algebra of the $sl(2, \mathbb{C})$ -valued automorphic functions on a torus, **31**: 65 (1994).
- URRUTIA, L. F. and N. MORALES, An extension of the Cayley-Hamilton theorem to the case of supermatrices, **32**: 211 (1994).
- VANINI, PAOLO, Mixed quantum mechanical periodic and potential wall problem, **32**: 331 (1994).
- VANYASHIN, VLADIMIR, Coherent decay of positronium Bose condensate, **31**: 143 (1994).
- VINET, LUC, *see* FLOREANINI, ROBERTO
- VOLKOV, A. YU., *see* FADDEEV, L.
- WATANABE, HIROSHI and A. YOSHIOKA, A rigorous construction of the chiral anomaly on a spin manifold, **30**: 1 (1994).
- WATERHOUSE, WILLIAM C., Linear operators on Clifford algebras, **30**: 187 (1994).
- WESS, J., *see* LOREK, A.
- WIECZERKOWSKI, C., *see* CRIVELLI, M.
- WIESBROCK, HANS-WERNER, A note on strongly additive conformal field theory and half-sided modular conormal standard inclusions, **31**: 303 (1994).
- WOLLENBERG, MANFRED, On the relation between a conformal structure in spacetime and nets of local algebras of observables, **31**: 195 (1994).
- YAMAMOTO, TAKASHI, Anyons associated with the generalized braid groups **31**: 335 (1994).
- YAN, HONG, *see* FODA, OMAR
- YNGVASON, JAKOB, A note on essential duality, **31**: 127 (1994).
- YOSHIOKA, AKIRA, *see* WATANABE, HIROSHI
- YUNG, C. M., *see* JARVIS, P. D.
- ZAHIR, HAMID, *see* LUDWIG, JEAN

- ZAIKOV, RAIKO P., Extended non-Abelian gauge symmetries in the classical WZNW model, **32**: 283 (1994).
- ZAKRZEWSKI, S., Poisson structures on the Lorentz group, **32**: 11 (1994).
- ZHANG, YAO-ZHONG and M. D. GOULD, Quantum affine algebras and universal R -matrix with spectral parameter, **31**: 101 (1994).
- ZHANG, YAO-ZHONG, *see* GOULD, M. D.
- ZHOU, ZIXIANG, *see* GU, CHAOHAO
- ZIMMERMANN, WOLFHART, Asymptotic freedom for quantum chromodynamics with top Yukawa and Higgs interactions **30**: 61 (1994).
- ZUMINO, BRUNO, *see* CHRYSSOMALAKOS, CHRYSSOMALIS

